

10/531662
JC13 Rec'd PCT/PTO 15 APR 2005

PATENT
Customer No. 22,852
Attorney Docket No. 06843.0091

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re new National Stage Application of:)	
Peter J. RATCLIFFE et al.)	Group Art Unit: Not Yet Assigned
Application No.: Not Yet Assigned)	Examiner: Not Yet Assigned
Filed: April 15, 2005)	
For: HYDROXYLASES AND MODULATORS THEREOF)	Confirmation No.: Not Yet Assigned

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached. Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form. Also attached is a search report received from the U.K. Patent Office in Application No. GB 0224102.4, from which the above-referenced application claims priority.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed

documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: April 15, 2005

By: 

Mark D. Sweet
Reg. No. 41,469

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IDS Form PTO/SB/08: Substitute for Form 49A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	
				Filing Date	
				First Named Inventor	
				Art Unit	
				Examiner Name	
				Not Yet Assigned	
				Not Yet Assigned	
				Not Yet Assigned	
Sheet 1 of 1				Attorney Docket Number 06843.0091-00000	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁴
		Country Code ¹ Number ² Kind Code ³ (if known)				
		WO 01/90301 A2	11-29-2001	Suzanne WALKER		
		WO 02/06509 A2	01-24-2002	James NAISMITH et al.		
		WO 02/25276 A1	03-28-2002	Rajiv CHOPPA et al.		
		WO 02/074981 A2	09-26-2002	Patrick MAXWELL et al.		
		WO 03/025013 A1	03-27-2003	Murray WHITELAW et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		GREGG L. SEMENZA; "HIF-1 and Human Disease: One Highly Involved Factor", Genes & Development 14; Cold Spring Laboratory Press; 2000; pgs 1983-1991.	
		ANDREW C.R. EPSTEIN, et al.; C. Elegans EGL-9 and Mammalian Homologs Define a Family of Dioxygenases that Regulate HIF by Prolyl Hydroxylation"; Cell, Vol. 107; October 5, 2001; pgs 43-54.	
		RICHARD K. BRUICK, et al.; A Conserved Family of Prolyl-4-Hydroxylases That Modify HIF; Science; Vol. 294; November 9, 2001; pgs 1337-1340.	
		PANU JAAKKOLA. et al.; "Targeting of HIF-α to the Von Hippel-Lindau Ubiquitylation Complex by O ₂ -Regulated Prolyl Hydroxylation"; Science; Vol. 292; April 20, 2001; pgs. 468-472.	
		DAVID LANDO et al.; "Asparagine Hydroxylation of the HIF Transactivation Domain: A Hypoxic Switch; Science; Vol. 295; February 1, 2002; pgs. 858-861.	
		STEVEN J. FREEDMAN, et al.; "Structural Basis for Recruitment of CBP/p300 by Hypoxia-Inducible Factor-1α"; PNAS; Vol. 99, No. 8; April 16, 2002; pgs. 5367-5372.	
		SONJA A. DAMES, et al.; "Structural Basis for Hif-1α/CBP Recognition in the Cellular Hypoxic Response; PNAS/Vol. 99; No. 8; April 16, 2002; pgs. 5271-5276.	
		BARBARA ROTH; "Design of Dihydrofolate Reductase Inhibitors from X-Ray Crystal Structures"; Federation Proceedings; Vol. 45, No. 12; November 1986; 2765-2772.	
		JONATHAN M. ELKINS et al.; "Structure of Factor-inhibiting Hypoxia-inducible Factor (HIF) Reveals Mechanism of Oxidative Modification of HIF-1α"; The Journal of Biological Chemistry; Vol. 278, No. 3; January 17, 2003; pgs. 1802-1806.	
		DAVID LANDO et al.; "FIH-1 is an Asparaginyl Hydroxylase Enzyme that Regulates the Transcriptional Activity of Hypoxia-Inducible Factor; Genes & Development; 16; 2002; pgs. 1466-1471.	
		KIRSTY S. HEWITON et al.; "Hypoxia-Inducible Factor (HIF) Asparagine Hydroxylase Is Identical to Factor Inhibiting HIF (FIH) and Is Related to the Cupin Structural Family"; The Journal of Biological Chemistry; Vol. 277, No. 29, July 19, 2002; pgs 26351-26355.	
		CARSTEN WILLIAM et al.; "Peptide Blockade of HIFα Degradation Modulates Cellular Metabolism and Angiogenesis"; PNAS; Vol. 99; No. 16; August 6, 2002; pgs. 10423-10428.	
		MIRCEA IVAN, et al.; "HIFα Targeted for VHL-Mediated Destruction by Proline Hydroxylation: Implications for O ₂ Sensing"; Science; Vol. 292, April 20, 2001; pgs. 464-468.	
		U.K. Patent Office Search Report for Application No. GB 0224102.4	
Examiner Signature		Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.